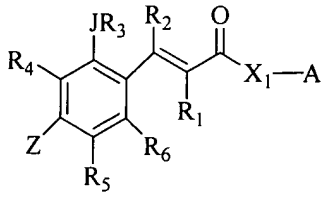
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A compound comprising the formula:



(I)

wherein:

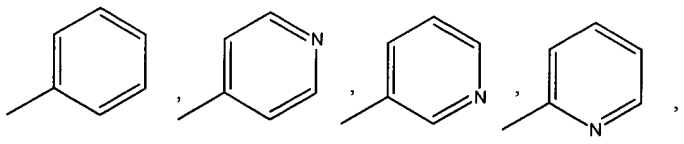
X_1A is a residue of a releasable biologically active moiety;

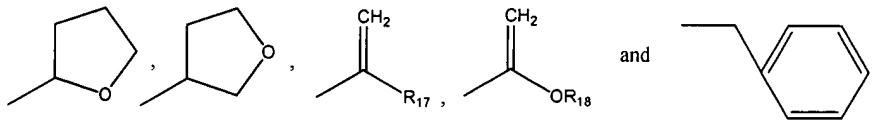
R_1 and R_2 are individually selected from the group consisting of H, CH_3, C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched, C_2-C_{10} heteroalkyls, C_2-C_{10} heteroalkenyls or C_2-C_{10} heteroalkynyls and $-(CR_{15}R_{16})_p$-D;

wherein: R_{15} and R_{16} are individually selected from the group consisting of H, CH_3, C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched; and C_2-C_{10} heteroalkyls, C_2-C_{10} heteroalkenyls or C_2-C_{10} heteroalkynyls;

p is a positive integer from 1 to about 12;

D is selected from among -SH, -OH, X_2, -CN, $-OR_{19}$, NHR_{20},





and

wherein:

R_{17} is H, CH_3 or X_3;

R_{18} is H, a C_1-C_4 alkyl or benzyl;

R_{19} is H, a C_{1-4} alkyl, X_2 or benzyl;

R_{20} is H, a C_{1-10} alkyl or -C(O)R_{21},

wherein R_{21} is H, a C_{1-4} alkyl or alkoxy, t-butoxy or benzyloxy;

X_2 and X_3 are independently selected halogens;

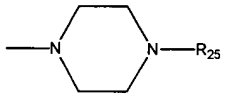
R_3 is H, CH_3, or $-C(=O)(CR_{15}R_{16})_w$-D,

where w is 0 or an integer from 1 to about 12, and D is H or as described for R_1 and R_2.

J is O, NH or S;

R_4, R_5, and R_6 are independently selected from the group consisting of H, CH_3,

C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched; C_2-C_{10} heteroalkyls, heteroalkenyls or heteroalkynyls and halogens;

Z is ~~H~~, NR_7R_8 or 

wherein R_7 is selected from among H, CH_3, C_2-C_{10} alkyls, alkenyls or alkynyls which can be substituted or unsubstituted; straight or branched; C_2-C_{10} heteroalkyls, heteroalkenyls or heteroalkynyls, or $-(CR_{23}R_{24})_q$-aryl, or R_8,

wherein R_{23} and R_{24} are independently selected from the group consisting of H and C_1-C_{10} alkyls;

q is an integer from 1 to about 6;

R_8 is selected from the group consisting of $(CR_9R_{10})_n$-NR_{22}-R_{11}, $(CR_9R_{10})_n$-CH_2-NHC(O)R_{26} and $(CR_9R_{10})_n$-CH_2-E;

wherein R_9 and R_{10} are independently selected from the group consisting of H, CH_3,

C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched; C_2-C_{10} heteroalkyls, C_2-C_{10} heteroalkenyls or C_2-C_{10} heteroalkynyls and halogens;

R_{26} is H, CH_3, O-t-butyl, O-benzyl;

E is OH, SH or O-C(O)R_{27},

wherein R_{27} is a C_1-C_6 alkyl, benzyl or phenyl;

R_{22} is H or CH_3;

n is a positive integer from 1 to about 10;

R_{11} is H or -L-B,

wherein L is a linker; and

B is an active moiety, reactive group moiety or a polymer; and

R_{25} is H, -C(O)-R_{28} or -C(O)-O-R_{29},

wherein R_{28} is a C_1-C_6 alkyl or benzyl; and R_{29} is CH_3, t-butyl or benzyl.

2. (Original) The compound of claim 1, wherein X_1 is O, NH, or S.

3. (Original) The compound of claim 2, wherein said residue of said biologically active moiety is selected from the group consisting of synthetic or naturally occurring organic compounds.

4. (Original) The compound of claim 3 wherein said organic compounds are selected from the group consisting of chemotherapeutics, antibiotics, antivirals, antifungals, and diagnostics.

5. (Original) The compound of claim 4, wherein said chemotherapeutics are selected from the group consisting of taxanes, taxane derivatives, paclitaxel, paclitaxel derivatives, docetaxel, docetaxel derivatives, camptothecin, camptothecin derivatives, doxorubicin, doxorubicin derivatives, amethopterin , etoposide, irinotecan and fluconazole.

6. (Original) The compound of claim 5, wherein said chemotherapeutic is paclitaxel.

7. (Original) The compound of claim 2, wherein said residue of said biologically active moiety is selected from the group consisting of proteins, polysaccharides, nucleic acids, cytokines, growth factors, antibodies, mABs, single chain antibodies (scFv), hormones and lipids.

8. (Original) The compound of claim 1, wherein Z is NR_7R_8.

9. (Original) The compound of claim 8, wherein R_8 is $-CH_2-CH_2-NH_2$.

10. (Original) The compound of claim 8, wherein R_8 is $(CR_9R_{10})_n-NR_{22}-R_{11}$.

11. (Original) The compound of claim 1, wherein L-B comprises a maleimidyl or an N-hydroxysuccinimidyl group.

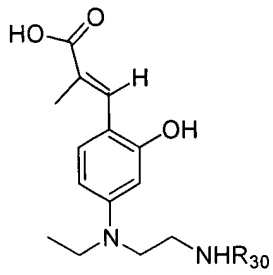
12. (Original) The compound of claim 10, wherein R_{11} comprises a polyalkylene oxide residue.

13. (Original) The compound of claim 12, wherein said polyalkylene oxide residue is a polyethylene glycol.

14. (Original) The compound of claim 13, wherein said polyethylene glycol has a number average molecular weight of from about 2,000 to about 200,000 daltons.

15. (Original) The compound of claim 10, wherein R_{11} comprises a polymer selected from the group consisting of collagen, glycosaminoglycan, poly(-aspartic acid), poly(-L-lysine) poly(-lactic acid), copolymers of poly(-lactic acid) and poly(-glycolic acid) and poly-N-vinylpyrrolidone.

16. (Original) A compound of claim 1, selected from the group consisting of:



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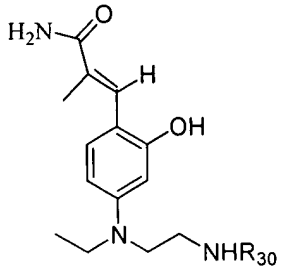

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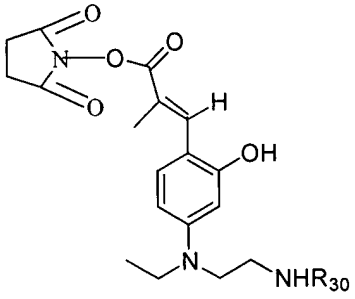

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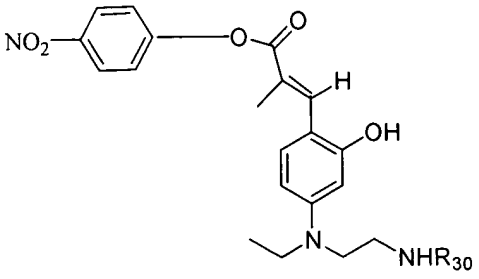

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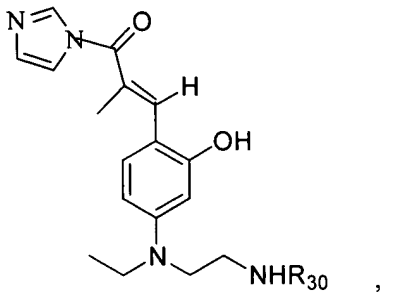

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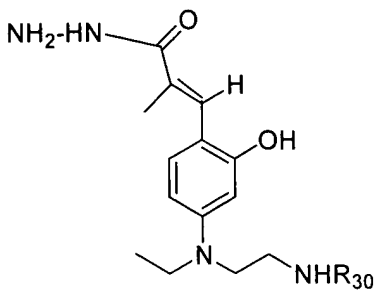

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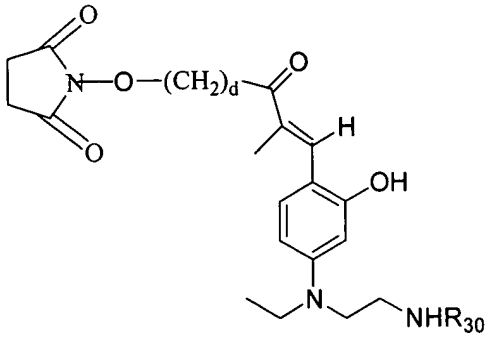
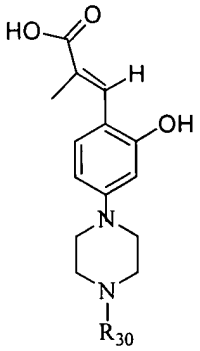
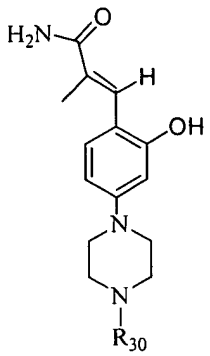
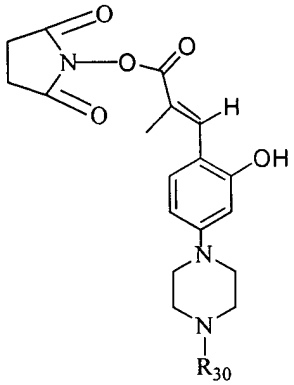
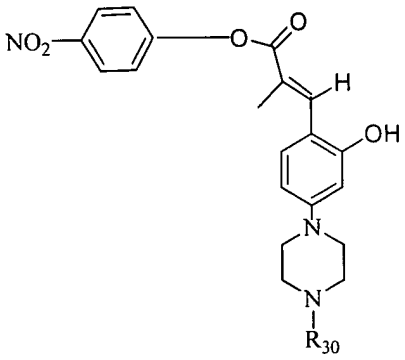
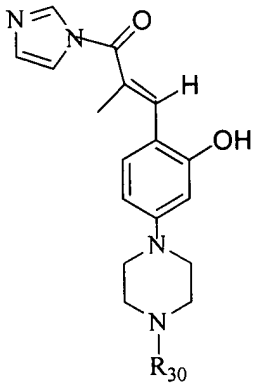
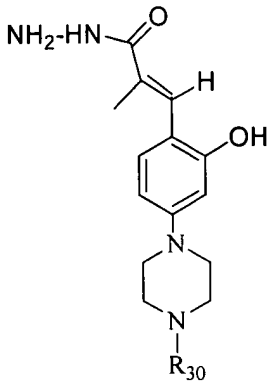
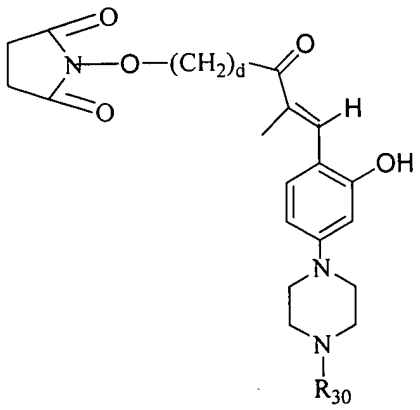


wherein d is a positive integer and R_{30} is H, tBoc, fMoc or a blocking group.

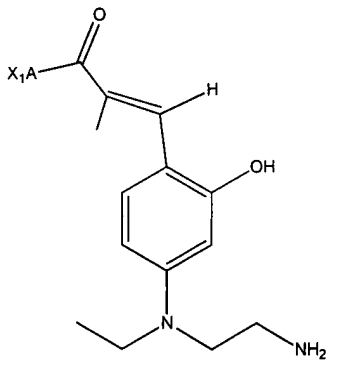
17. A compound of claim 1, selected from the group consisting of:

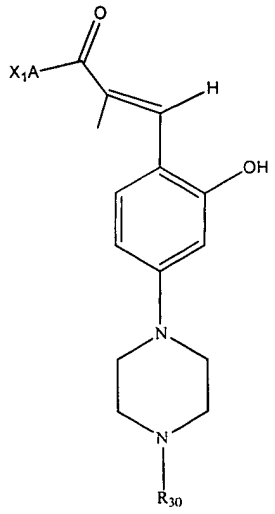







and 

wherein d is a positive integer and R_{30} is H, tBoc, fMoc or a blocking group.

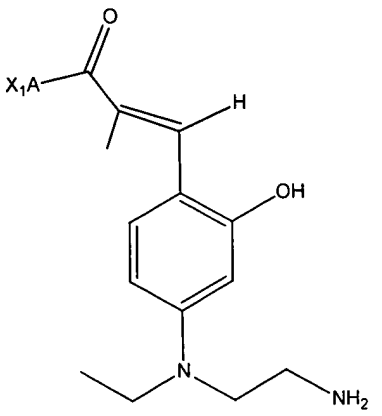
18. (Original) A compound of claim 1, selected from the group consisting of:

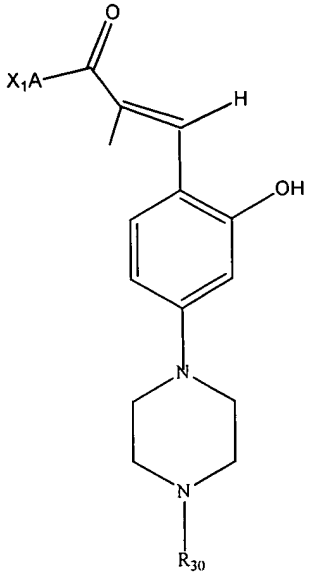


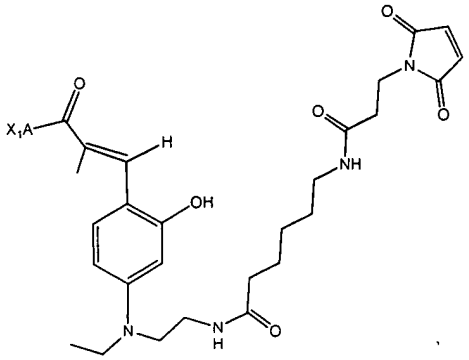
and 

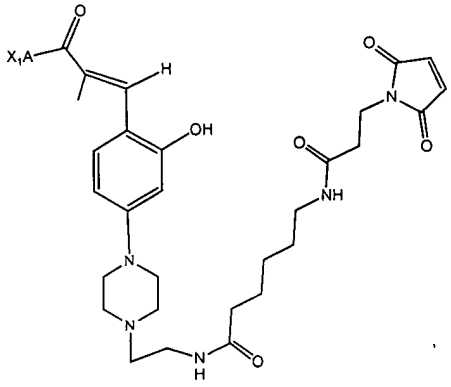
wherein X_1A is a residue of a releasable biologically active moiety;
and R_{30} is H, tBoc, fMoc or a blocking group.

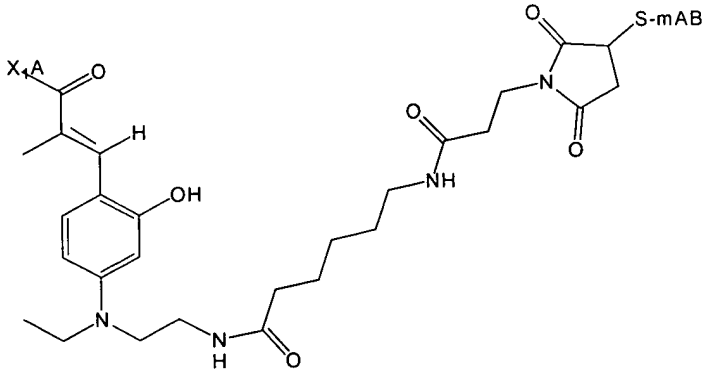
19. (Original) A compound of claim 1, selected from the group consisting of:

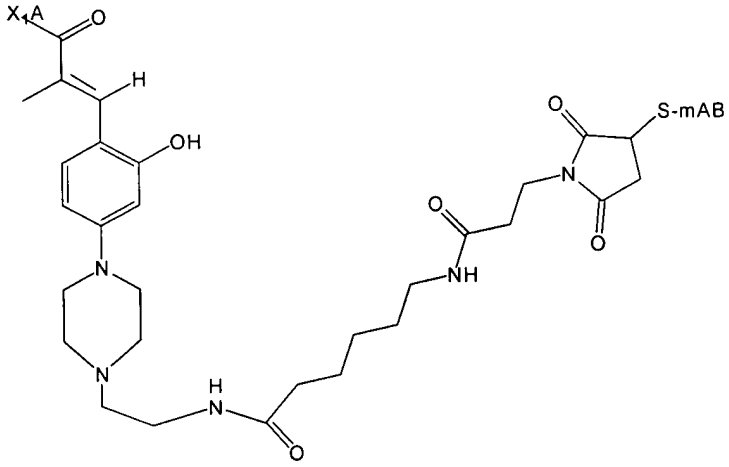


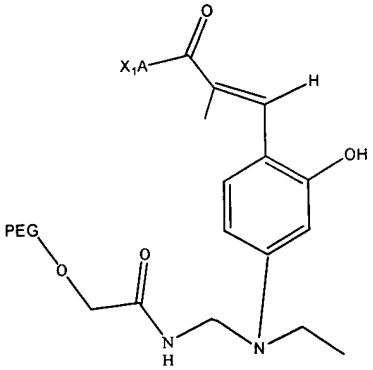












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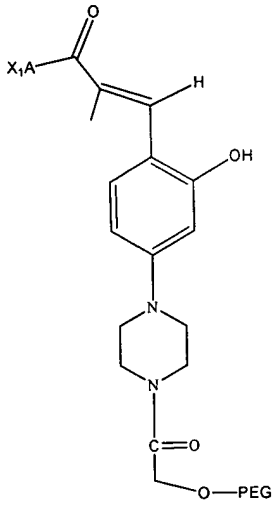
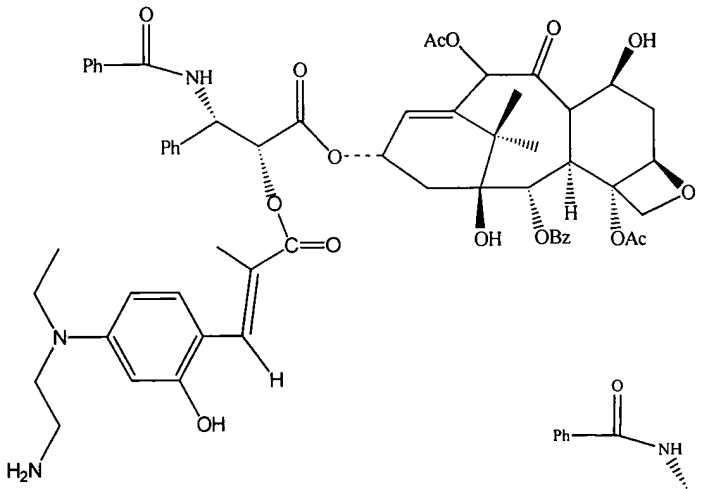


wherein X_1A is a residue of a releasable biologically active moiety; and R_{30} is H, tBoc, fMoc or a blocking group.

20. (Original) A compound of claim 19, selected from the group consisting of:



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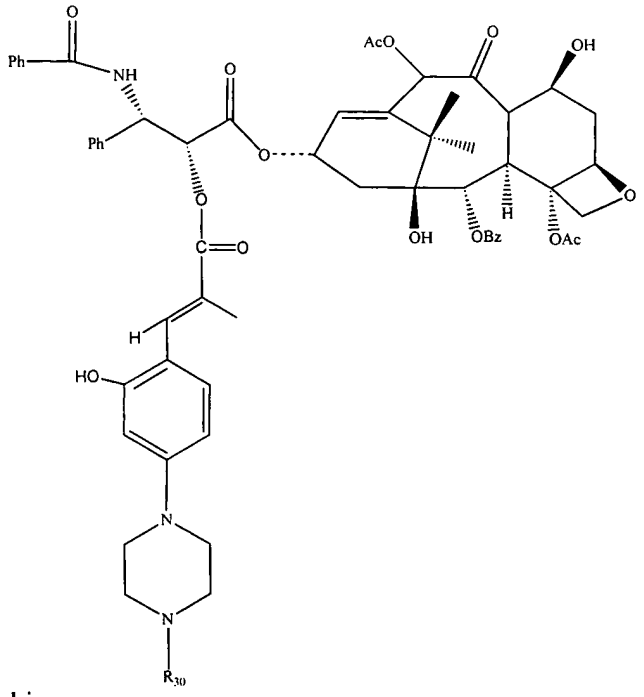
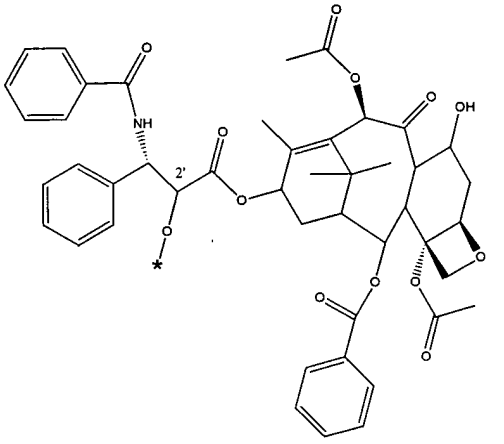
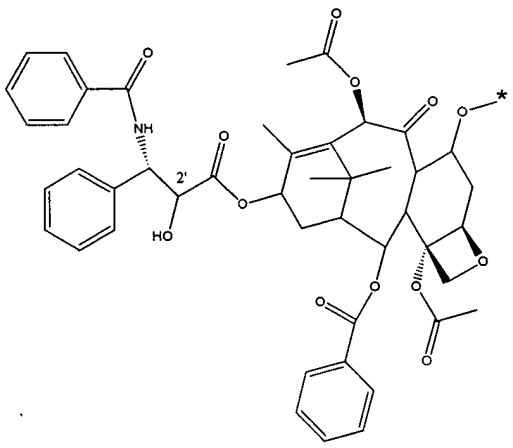
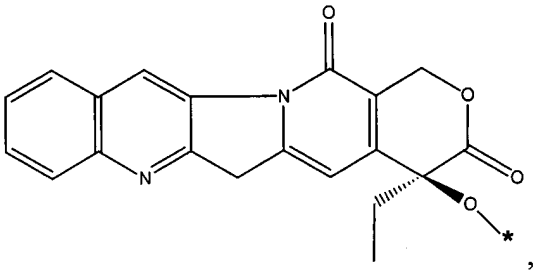


wherein R_{30} is H, tBoc, fMoc or a blocking group.

21. (Original) A compound of claim 19, wherein X_1A is selected from the group consisting of:







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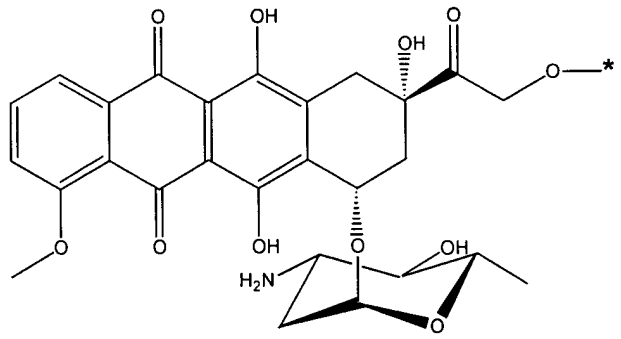

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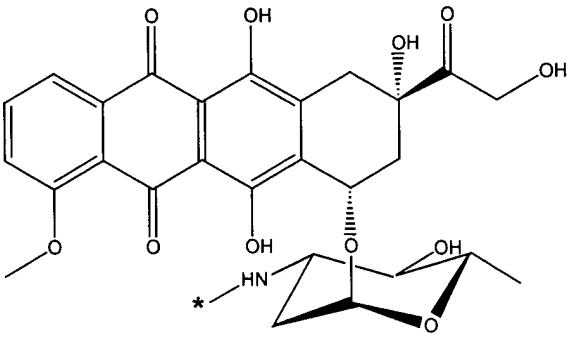
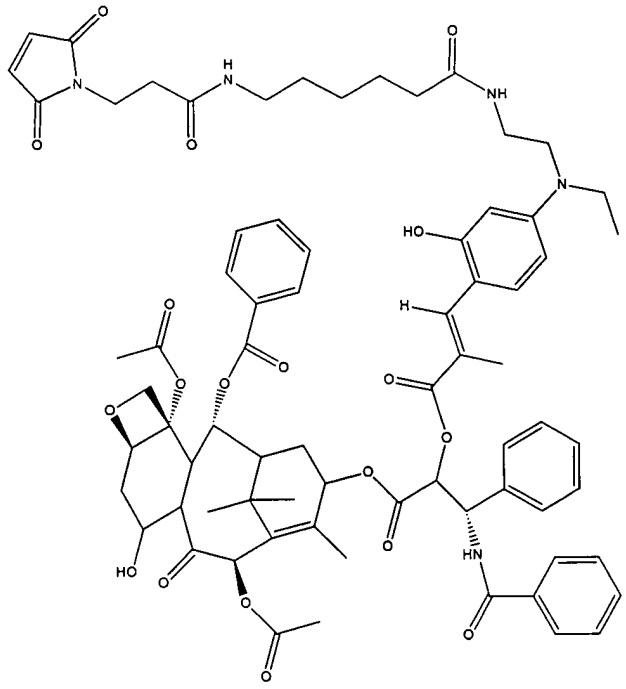


where * represents the point of attachment.

22. (Original) A compound of claim 19, selected from the group consisting of



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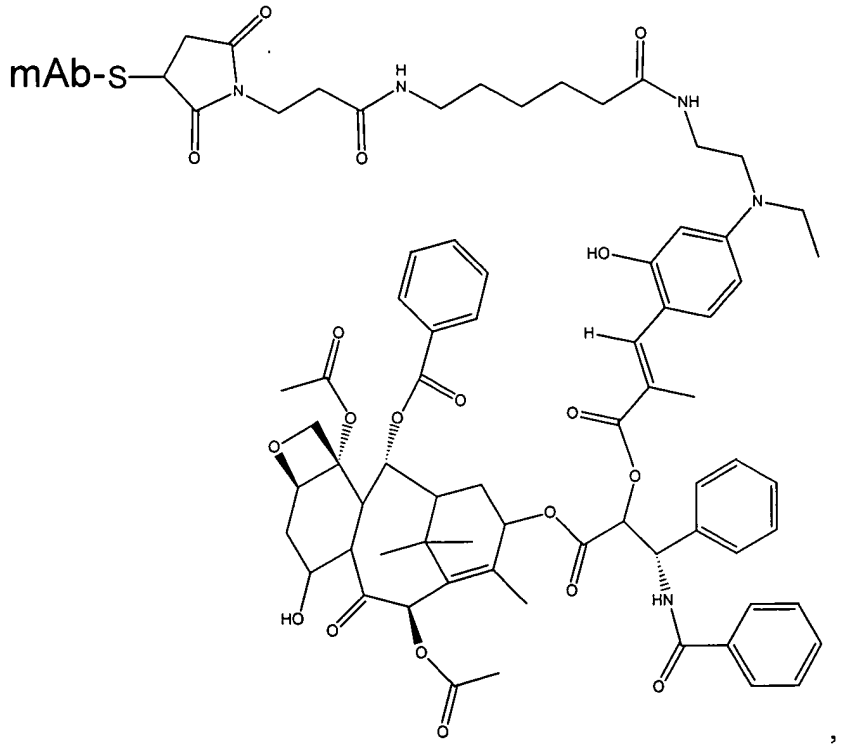

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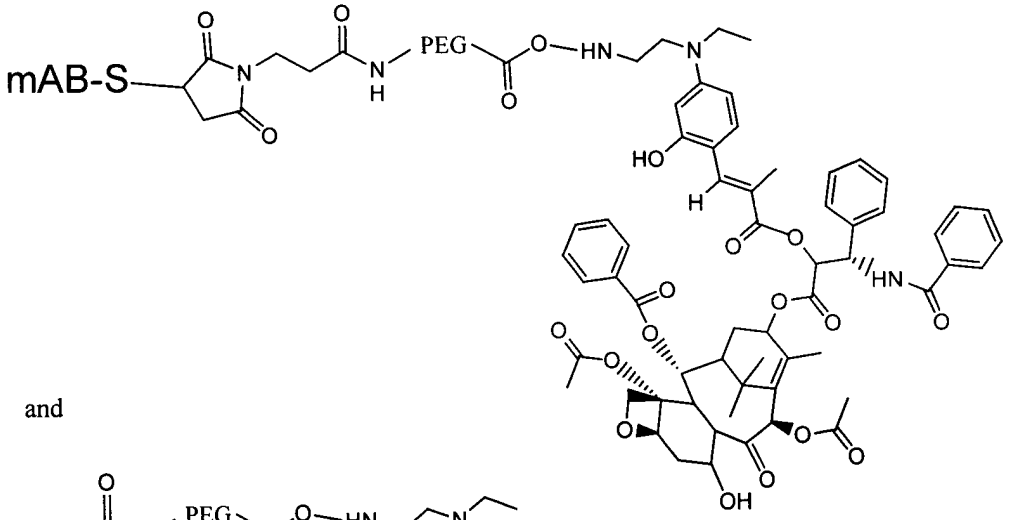

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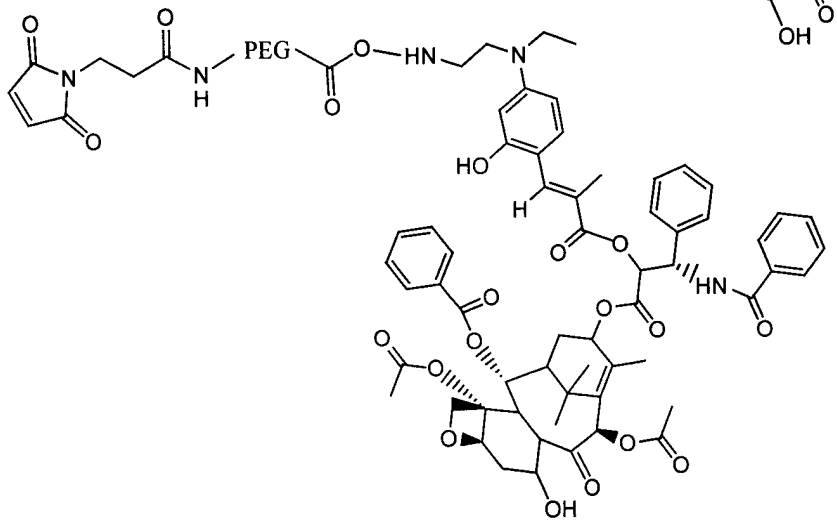


23. (Original) The compound of claim 1, wherein J is O, R_2 is H, R_7 is CH_3CH_2; R_8 is $-(CR_9R_{10})_n-NR_{22}-R_{11}$, n is 2, and R_9 and R_{10} are both H.

24. (Original) The compound of claim 1, wherein R_1, R_2, R_3, R_4, R_5, and R_6 are independently selected from the group consisting of H, CH_3 and CH_3CH_2.

25. (Original) The compound of claim 1, wherein R_7 is CH_3CH_2; wherein R_8 is $-(CR_9R_{10})_n-NR_{22}-R_{11}$, n is 2, and R_9 and R_{10} are both H.

26. (Original) A pharmaceutically acceptable salt of the compound of claim 1.

27. (Original) A pharmaceutically acceptable salt of the compound of claim 20.

28. (Original) A pharmaceutically acceptable salt of the compound of claim 21.

29. (Currently Amended) A method of treating mammals with prodrugs ~~treatment~~, comprising:

administering to a mammal in need of such treatment an effective amount of a prodrug compound of claim 1, where X_1A is a residue of a releasable biologically active moiety, and allowing the releasable biologically active moiety to release from the prodrug in vivo.

30. (Currently Amended) The method of claim 29, further comprising exposing the prodrug compound of claim 1 to an energy source after administration to said mammal.

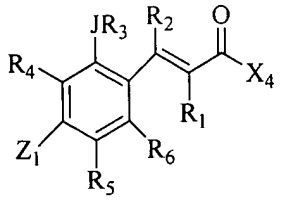
31. (Original) The method of claim 30, wherein the energy source is white light having a wavelength in the range from 340 to 700 nm.

32. (Original) The method of claim 31, wherein the energy source is white light having a wavelength in the range from 350- 420 nm.

33. (Original) The method of claim 30, wherein the energy source is selected from the group consisting of microwave, ultrasound, radio energy, gamma radiation, radioactivity, ultraviolet light and infrared light.

34. (Currently Amended) A method of preparing a conjugate, comprising:

reacting a cinnamic acid derivative of the formula



wherein

X_4 is a reactive terminal group;

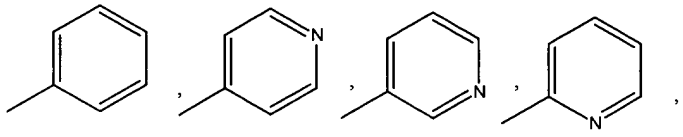
R_1 and R_2 are individually selected from the group consisting of H, CH_3, C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched, C_2-C_{10} heteroalkyls, C_2-C_{10} heteroalkenyls or C_2-C_{10} heteroalkynyls and –$(CR_{15}R_{16})_p$-D;

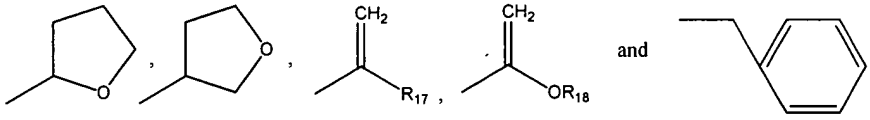
wherein: R_{15} and R_{16} are individually selected from the group consisting of H, CH_3,

C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched; and C_2-C_{10} heteroalkyls, C_2-C_{10} heteroalkenyls or C_2-C_{10} heteroalkynyls;

p is a positive integer from 1 to about 12;

D is selected from among -SH, -OH, X_2, -CN, -OR_{19}, NHR_{20},





wherein:

R_{17} is H, a CH_3 or X_3;

R_{18} is H, a C_1-C_4 alkyl or benzyl;

R_{19} is H, a $C_{1\text{-}4}$ alkyl, X_2 or benzyl;

R_{20} is H, a $C_{1\text{-}10}$ alkyl or -$C(O)R_{21}$,

wherein R_{21} is H, a $C_{1\text{-}4}$ alkyl or alkoxy, t-butoxy or benzyloxy;

X_2 and X_3 are independently selected halogens;

R_3 is H, CH_3, or $-C(=O)(CR_{15}R_{16})_wD$,

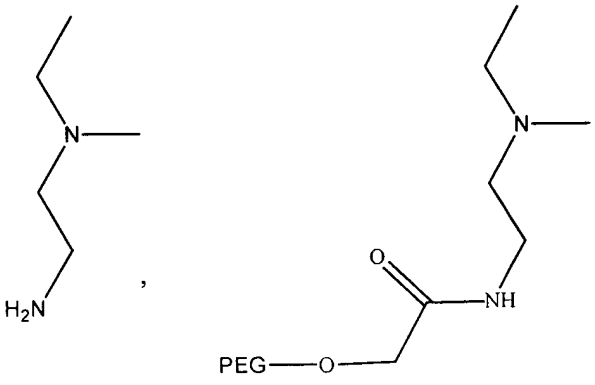
where w is 0 or an integer from 1 to about 12, and D is H or as described for R_1 and R_2

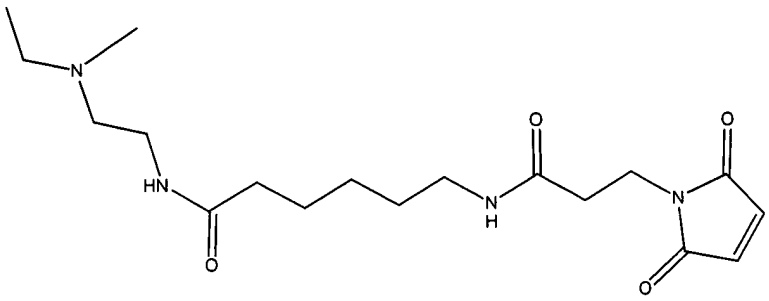
J is O, NH or S;

R_4, R_5, and R_6 are independently selected from the group consisting of H, CH_3,

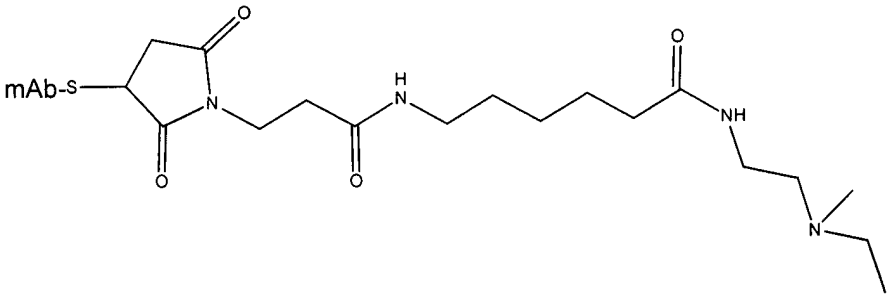
C_2-C_{10} alkyls, C_2-C_{10} alkenyls or C_2-C_{10} alkynyls, each of which can be substituted or unsubstituted; straight or branched; C_2-C_{10} heteroalkyls, heteroalkenyls or heteroalkynyls and halogens;

Z_1 is ~~H or~~ a member of the group consisting of





and



wherein

R_{30} is H, tBoc, fMoc or a blocking group;

with a biologically active moiety under conditions sufficient to cause covalent attachment of said biologically active moiety to said cinnamic acid derivative.